Utah Division of Air Quality
New Source Review Section

Date _____
Company_____
Site/Source_____

Form 13
Spray Booths

Exhaust Gas Stream Characteristics

1. Flow Rate (acfm)	2. Exhaust Stack	3. Control Device Particulate Loading (lb/hr)
Design maximum _____	Temperature (^{o}F) _____	Inlet _____ Outlet _____
Average expected _____	Height (ft) _____	
	Diameter (ft) _____	

Type of Coating and Maximum Rate of Use

4. Type	Max. rate of use (lb/hr)	Max. rate of use (ton/yr)	Volatile portion (% weight)
lacquer			
varnish			
enamel			
metal primer			
metal spray			
resin			
sealer			
shellac			
stain			
zinc chromate			
epoxy			
polyurethane			
other			
_____			
_____			
_____			
_____			
_____			
_____			
_____			
_____			
_____	_	_	_

Solvent or Coating Composition and Rate of Use

5. Chemical composition of volatiles & wt. %	6. Max. rate of use (lb/hr)	7. Max rate of use (ton/yr)
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Spray Booths

Form 13 (Continued)

Type Control Device

8. Type of pollution control device

G spray chamber (use gal/hr water) _____ G water curtain (use gal/hr water) _____
G dry filter pads (no.) _____ (size) _____X_____ G other (explain)
? automated replacement ? manual replacement

9. method of spraying	10. _____% overspray	11. _____% efficiency
G air atomization G airless electrostatic G disc G airless G air-atomized G powdered G other (describe)	12. Description of items to be coated (shape and size)	

Emissions Calculations (PTE)

13. Calculated emissions for this device
PM_{10} _____Lbs/hr_____ Tons/yr
VOC _____Lbs/hr_____ Tons/yr
HAPs_____Lbs/hr (speciate)_____Tons/yr (speciate)
Submit calculations as an appendix.

Attach the following:
(a) Manufacturers Safety Data Sheet for each coating or solvent.
(2) An assembly drawing (plan and elevation) of the device dimensioned and to scale clearly showing the design size and shape.
(3) Provide sheets showing VOC emission calculations and HAP specifications.

NOTE: 1. **Submit this form in conjunction with Form 1 and Form 2.**

2. Call the Division of Air Quality (DAQ) at **(801) 536-4000** if you have problems or questions in filling out this form. Ask to speak with a New Source Review engineer. We will be glad to help!

Instructions

1. The design maximum and average flow rate of the exhaust gas stream
2. Exhaust stack temperature, stack height, and stack diameter
3. The amount of particulate released in the paint booth and exhaust gas in pounds per hour
4. The type of coatings and maximum amount used in an hour and a year
5. Chemical composition of VOCs and weight in percentage
6. Maximum rate of use in pounds per hour
7. Maximum rate of use in tons per year
8. The type of control equipment you are using
9. The method of spraying. Mark appropriate box
10. The percent of paint that is lost in overspray
11. The percent of efficiency for the equipment
12. The approximate shape and size of the items being coated
13. Supply calculations for all criteria pollutants and HAPs. Use AP42 or Manufacturers data to complete your calculations.